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S.p., A., Via Pontina, Km.30,400, I-00040 Pomezia (IT). PESSOTTO, Pompeo [IT/IT]; c/o Sigma-Tau Industrie Faramceutiche Riunite S.p., A., Via Pontina, Km. 30, 400, I-00040 Pomezia (IT).

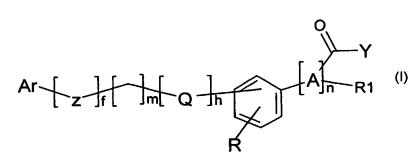
- (74) Agents: SPADARO, Marco et al.; Cavattoni- Raimondi. Viale dei Parioli, 160, I-00197 Roma (IT).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.
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PHENY(ALKYL)CARBOXYLIC ACID DERIVATIVES AND DIONIC PHENYLALKYLHETEROCYCLIC (54) Title: DERIVATIVES AND THEIR USE AS MEDICINES WITH SERUM GLUCOSE AND/OR SERUM LIPID LOWERING ACTIVITY



(57) Abstract: Formula (I) compounds are described: Where the groups are as defined here below, and their use as medinies, particularly as serum glucose and serum lipid lowering agents. Said medicines are useful for the prophylaxis and treatment of diabetes, particularly type 2, and its complications, Syndrome X, the various forms of insulin hyperlipidaemias, and resistance, and present reduced side effects, and, particularly, reduced or no liver toxicity.

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Minimum do	cumentation searched (classification system followed by classificat	ion symbols)					
IPC 7	CO7D A61K A61P						
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	ata base consulted during the international search (name of data bata, EPO-Internal, CHEM ABS Data, IN		l, search terms used)				
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X Fur	ther documents are listed in the continuation of box C.	X Patent fam	ly members are listed in	annex.			
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A. CLASSIF IPC 7	SICATION OF SUBJECT MATTER A61P3/10				
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C. DOCUME	ENTS CONSIDERED TO BE RELEVANT				
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X	AND NONCYCLIC 1,3-DICARBONYL COMPOUN	NDS AS	1,0,5		
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	claims 1,4,7; examples 57,58				
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	26 April 1994 (1994-04-26)	66)			
	column 1 (16-21) and column 27 (65-	00)			
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X Furt	ner documents are listed in the continuation of box C.	Patent family members are listed	in annex.		
'		later document published after the inte	rnational filing date the application but		
consid	ent defining the general state of the art which is not lered to be of particular relevance	cited to understand the principle or the invention	eory underlying the		
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L document which may throw doubts on priority claim(s) or involve an inventive step when the document is taken alone which is cited to establish the publication date of another "Y" document of particular relevance; the claimed invention					
citation or other special reason (as specified) Cannot be considered to involve an inventive step when the document referring to an oral disclosure, use, exhibition or document is combined with one or more other such document is combined with one or more other such document is combined with one or more other such document is combined to the oral document or combined to the oral document is combined to the oral document is combined to the oral document or combined to the oral document is co					
'P' document published prior to the international filling date but in the art.					
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2	0 November 2003				
Name and	mailing address of the ISA	Authorized officer			
	European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk				
	Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Alfaro Faus, I			

C.(Continue	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
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Х	US 5 232 945 A (HULIN BERNARD) 3 August 1993 (1993-08-03) column 1 (9-22); column 24 (37-38)	1,8,9
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х	EP 0 846 693 A (KYORIN SEIYAKU KK) 10 June 1998 (1998-06-10) examples 15-26,28,37,38; claims 1,14 claim 1; tables 1,14	1,8,9
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Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; KINOSHITA, SUSUMU ET AL: "Preparation of N-benzyl(dioxothiazolidyl)benzamides and their use as oral antidiabetics and hypolipemic agents" retrieved from STN Database accession no. 128:13261 XP002262202 abstract and RNs 199167-85-6, -86-7, -87-8, -89-0, -81-2, -82-3, -83-4, -84-5 & JP 09 301963 A (KYORIN PHARMACEUTICAL CO., LTD., JAPAN) 25 November 1997 (1997-11-25)	1,8,9
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}		

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Box I	Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This Inte	ernational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1.	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2. 🛚	Claims Nos.: 1-4, 6-9 (in part) because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically: see FURTHER INFORMATION sheet PCT/ISA/210
з. [Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II	Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
This Int	ernational Searching Authority found multiple inventions in this International application, as follows:
1.	As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.	As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.	No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Rema	The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 1-4, 6-9 (in part)

Present claims 1-4 and 6-9 relate to an extremely large number of possible compounds. Support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT is to be found, however, for only a very small proportion of the compounds claimed. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Consequently, the search has been carried out for those parts of the claims which appear to be supported and disclosed, namely those parts relating to the compounds of formula I, as disclosed in claim 5, where Ar is phenyl, naphthyl, 1-indolyl, 3-indolyl, 2 pyridyl, or pyridinium, all of them optionally substituted as indicated in claim 1 and 3; -'z!f'CH2!m'Q!h is -CH2-CH2-O, -CH2-CH2-O, -NH(C=0)O-, -CH2NH(C=0)O-, or -CH2NH(C=0)-; the phenylene moeity is a p-phenylene, a m-phenylene or a 2-CH3O-m-phenylene group, and the -'A!nR1C(=0)-Y group represents a thiazolidine-2,4-dione or a carboxylic acid or ester as defined in claim 1

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

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